

DESCRIPTION

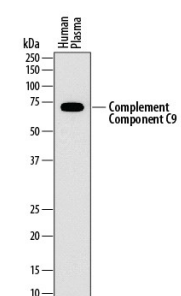
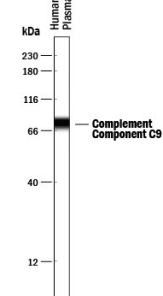

Species Reactivity	Human
Specificity	Detects human Complement Component C9 in ELISAs.
Source	Monoclonal Mouse IgG ₁ Clone # 887025
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	HEK293 human embryonic kidney cell line transfected with human Complement Component C9 Met1-Lys559 Accession # P02748
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below
Simple Western	10 µg/mL	See Below

DATA

<p>Western Blot</p>  <p>Detection of Human Complement Component C9 by Western Blot. Western blot shows human plasma. PVDF membrane was probed with 1 µg/mL of Mouse Anti-Human Complement Component C9 Monoclonal Antibody (Catalog # MAB8126) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). A specific band was detected for Complement Component C9 at approximately 70 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.</p>	<p>Simple Western</p>  <p>Detection of Human Complement Component C9 by Simple Western™. Simple Western lane view shows human plasma, loaded at 0.5 mg/mL. A specific band was detected for Complement Component C9 at approximately 78 kDa (as indicated) using 10 µg/mL of Mouse Anti-Human Complement Component C9 Monoclonal Antibody (Catalog # MAB8126). This experiment was conducted under reducing conditions and using the 12-230 kDa separation system.</p> 
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PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Complement Component 9 (C9) is a 65-70 kDa protein of the complement membrane attack complex (C5b-9) that binds C5b-8, polymerizes, and forms pores upon activation of the complement cascade. Mature human C9 shares 60% and 66% amino acid sequence identity with mouse and rat C9, respectively. It may be proteolytically cleaved by thrombin into a 28-34 kDa cysteine-rich, mannosylated soluble C9a subunit, and a 37-38 kDa membrane-anchored N-glycosylated C9b. These fragments are also able to polymerize.